GX-2 Disc Publisher

For Microsoft Windows® 2000 & XP

Users Manual

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Introduction

The Microboards GX-2 Disc Publisher is a single drive, 50 disc, print and record system. The GX-2 combines industrial strength printing and recording into a single, easy to use duplicator. The system includes one 16x DVD recorder. Microboards and HP co-developed the printer technology, allowing up to 4800 x 1200 dpi printing. The Prassi Technology Zulu 2 software is a dynamic interface for both beginners and power users. Easily record DVD Video, DVD data, Audio CD's, Data CD's, Video CD's and much more.

Other features include:

- Asynchronous print and record function
- Creation of audio CD's from MP3, wma or wave files
- Full support for CD Text, Pre-Gap, UPC and ISRC
- Batch mode, allowing up to 8 different masters to be used at a time.
- Multi-borders support.
- Integrated print function with prn or SureThing print files.

What's Included

When unpacking your GX-2 Disc Publisher system, the following items should be included:

- GX-2 Disc Publisher print and record system
- GX-2 Disc Publisher Quick Start Guide
- GX-2 Unpack Guide
- Print Sample
- Power Cord
- Alignment CD's
- Blank Printable CD's
- Users Manual (This document)
- Microboards GX-2 Disc Publisher Install CD (Includes Windows 2000/XP drivers, Zulu2 software and SureThing Label software)
- Microboards GX-300HC Color Ink cartridge (14ml)
- USB Printer Cable
- Input Bin rods (already installed)
- 50 disc output assembly

If any of these items are missing, please contact your distributor or Microboards Technology Technical Support department at 952-556-1639.

The GX-2 Disc Publisher installation disc includes an Installer that will walk you through the process step by step. Please perform the installation in order as specified in the Installer before connecting to a computer.

System Requirements

The Microboards GX-2 Disc Publisher has the following minimum requirements and compatibilities:

Operating System

Microsoft Windows 2000 with SP4 or Windows XP with SP2.

Processor

Pentium 4 (or equivalent) CPU, running at 2.0 GHz or faster.

System Memory

Minimum 512 MB of system memory. More memory is suggested for DVD recording operation.

Hard Drive Space

Only 10MB of free space is required on the system hard drive for the applications and drivers. For storing disc images, temporary space is needed for the full disc dimension. That could be up to about 800MB for CD or about 5 GB for DVD.

A separate internal 7200 RPM hard drive is recommended for storing your data. Using the same hard drive as the operating system can cause the system to perform slowly.

USB Connection

USB 2.0 is required. USB 1.1 is not supported, as using USB 1.1 will result in significantly longer recording times and the potential for recording failures.

Assembly and Installation

Assembly Instructions

GX-2 Disc Publisher Assembly

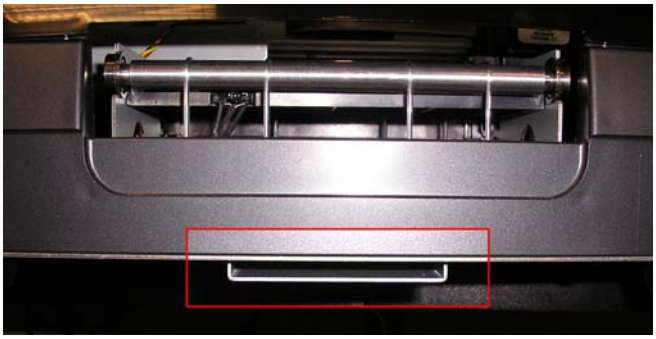
Remove the GX-2 Disc Publisher system from the shipping box and confirm you received all of the items.

Place the GX-2 Disc Publisher on a stable, flat surface. You will need room both in front and to the left of the system, as discs will be accessed from both locations.

The input bin posts are pre-installed, with the wide post to the front.

The Reject Bin is pre-installed on the left side of the GX-2 Disc Publisher. This bin, which slides out, should be emptied when you know discs have been rejected.

Slide the 50-disc Output Bin into the channel between the feet at the front of the GX-2 Disc Publisher, shown below.



Installing Ink Cartridges

Supported Ink Cartridges

The GX-2 Disc Publisher uses a single color ink cartridge. The part number for this cartridge is GX-300HC. If other cartridges are installed, the GX-2 Disc Publisher will not function. These cartridges are available from any Microboards reseller.

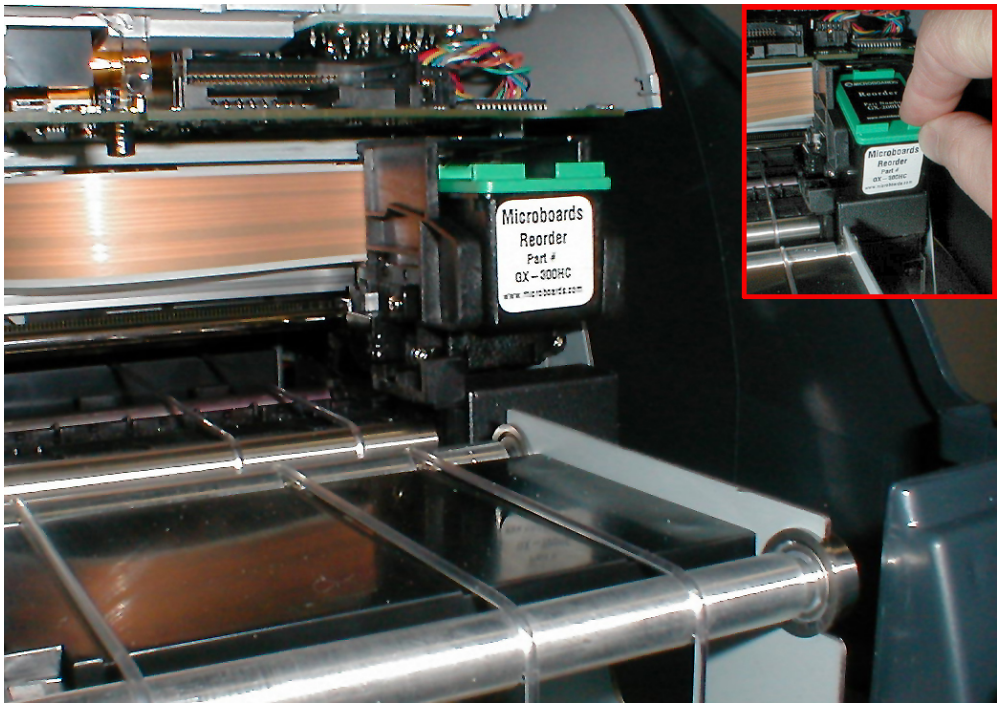
Refill kits or non-Microboards ink cartridges are not recommended for use in the GX-2 Disc Publisher system. Use of these types of cartridges will cause the printer to fail. Use of these types of cartridges will void the warranty.

Loading / Replacing Ink Cartridges

Cartridges can be changed while the GX-2 Disc Publisher is on, but it should never be turned on without an ink cartridge in place.

The GX-2 Disc Publisher system ships with one **Microboards GX-300HC** color ink cartridge.

- Remove the front cover. The print cartridge cradle will be on the right side of the GX-2 Disc Publisher, as shown below.
- Tilt the old cartridge forward to release the cartridge from the cradle, as shown in the inset below.
- Lift the old cartridge out of the cradle.
- Remove the new print cartridge from its packaging and carefully remove the plastic tape. Hold the print cartridge so that the copper strip is at the bottom.
- With the front of the new ink cartridge tilted down, slide the cartridge into the cradle.
- Tilt the front of the cartridge back up to lock the ink cartridge in place.
- Replace the front cover.



The Microboards GX-300HC Ink Cartridge must be used or the printer will not function.

Loading Discs

The next step is to load your GX-2 Disc Publisher with output discs. The system will accept CD or DVD 120 mm (12 cm) inkjet printable discs. If the disc does not have an inkjet printable surface, the ink will not adhere to the surface of the disc. The GX-2 Disc Publisher will only accept 12 cm discs. Business card or 8 cm discs are not supported by this system.

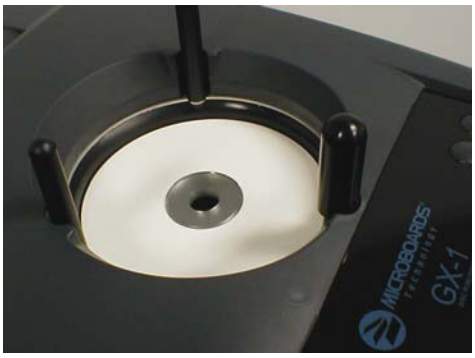


Figure 1

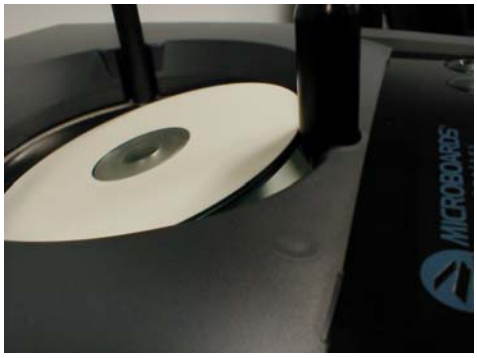


Figure 2

Load the first 5 or 6 discs flat, as seen in figure 1.

Load the rest of the discs at an angle, against the wide input rod, as seen in figure 2.

The GX-2 Disc Publisher will hold a maximum of 50 discs. DO NOT load more than 50 discs in the system, as this may cause the discs to feed incorrectly.

Front Panel Power Button

The AC power switch located on the back of the GX-2 Disc Publisher must be turned on first in order to supply power to the Front Panel.

The Power button on the front panel of the GX-2 Disc Publisher turns the GX-2 Disc Publisher Printer on and off. It may take a few seconds for the GX-2 Disc Publisher Printer to turn on after you press the Power button. The green light at the base of the Power button flashes when the printer is processing.

This switch does not affect power to the drive within the GX-2 Disc Publisher.

GX-2 Disc Publisher Installation

The GX-2 Disc Publisher installation disk includes an Installer that will walk you through the process step by step. Please use the Installer and follow the installation steps in order.

The following installation sections are intended only as a reference for the installation process, not as a guide to installing the GX-2 Disc Publisher. Performing the installation out of order could result in an unsuccessful installation.

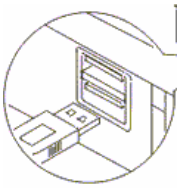
The GX-2 Disc Publisher Installation Quick Reference Guide will show you the order in which the installation will occur.

Connecting to a PC

DO NOT CONNECT YOUR GX-2 DISC PUBLISHER TO A COMPUTER BEFORE RUNNING THE INSTALLER LOCATED ON THE INSTALLATION DISK!!

The connection between the PC and the Microboards GX-2 Disc Publisher is done with one USB cable.

1. Confirm that the power is turned OFF on the GX-2 Disc Publisher and on your PC.
2. Plug in the AC power cord to the back of the GX-2 Disc Publisher. ***Do not turn on power to the GX-2 Disc Publisher until an ink cartridge has been installed.***
3. Connect the square shaped end of the USB cable to the back of the GX-2 Disc Publisher.
4. Connect the flat, rectangular end of the USB cable into a USB 2.0 port in your PC.



Windows XP

The Windows Found New Hardware Wizard will appear during any installation, including when using the Installer. Please follow all directions in the order in which they appear when using the Installer.

Turn on power to the GX-2 Disc Publisher.

Turn on power to the PC.

Windows will now boot up and Windows XP will start stating that new hardware is found, much like this screen:

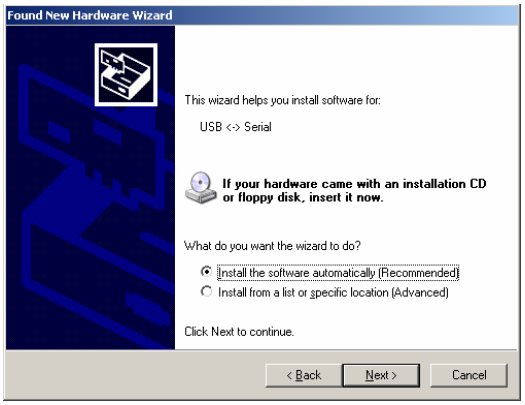
Insert the Microboards GX-2 Disc Publisher CD into a drive in your computer.

The operating system will next display the following screen:

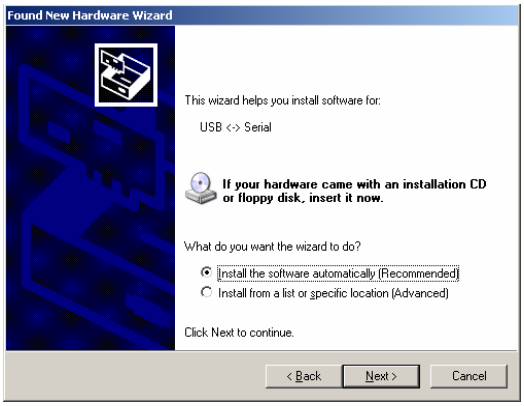
Found New Hardware Wizard
Welcome to the Found New Hardware Wizard
Windows will search for current and updated software by looking on your computer, on the hardware installation CD, or on the Windows Update Web site (with your permission).
Read our privacy policy
Can Windows connect to Windows Update to search for software?
Yes, this time only
Yes, now and every time I connect a device
No, not this time
Click Next to continue.
< Back
Next >
Cancel

1. Select No, not this time and click Next.

The following screen will appear:


Found New Hardware Wizard
This wizard helps you install software for:
USB <-> Serial
If your hardware came with an installation CD or floppy disk, insert it now.
What do you want the wizard to do?
Install the software automatically (Recommended)
Install from a list or specific location (Advanced)
Click Next to continue.
< Back
Next >
Cancel

2. Click the Next button and the files will be copied from the CD.


Found New Hardware Wizard
This wizard helps you install software for:
USB <-> Serial
If your hardware came with an installation CD or floppy disk, insert it now.
What do you want the wizard to do?
Install the software automatically (Recommended)
Install from a list or specific location (Advanced)
Click Next to continue.
< Back
Next >
Cancel

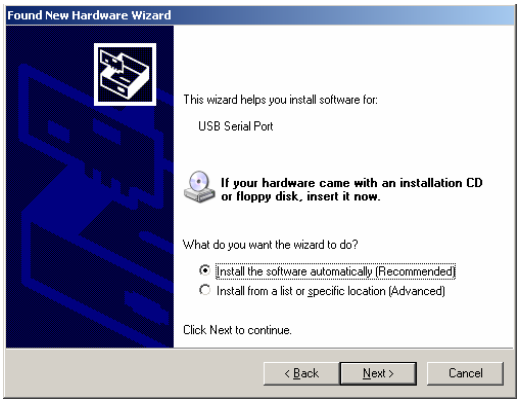
3. Click the Next button and the files will be copied from the CD.

4. Click Finish

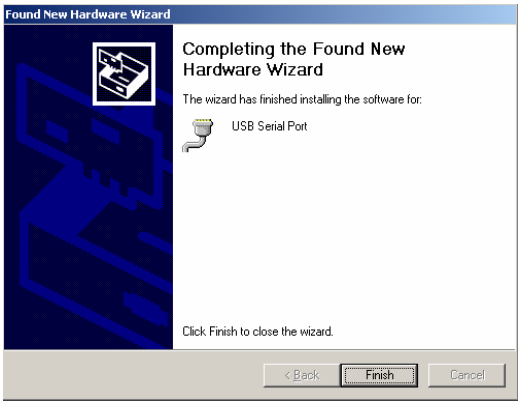
The following screen will appear:

Found New Hardware Wizard
Welcome to the Found New Hardware Wizard
Windows will search for current and updated software by looking on your computer, on the hardware installation CD, or on the Windows Update Web site (with your permission).
Read our privacy policy
Can Windows connect to Windows Update to search for software?
Yes, this time only
Yes, now and every time I connect a device
No, not this time
Click Next to continue.
< Back
Next >
Cancel

5. Select No, not this time and click Next.


Found New Hardware Wizard
This wizard helps you install software for:
USB Serial Port
If your hardware came with an installation CD or floppy disk, insert it now.
What do you want the wizard to do?
Install the software automatically (Recommended)
Install from a list or specific location (Advanced)
Click Next to continue.
< Back
Next >
Cancel

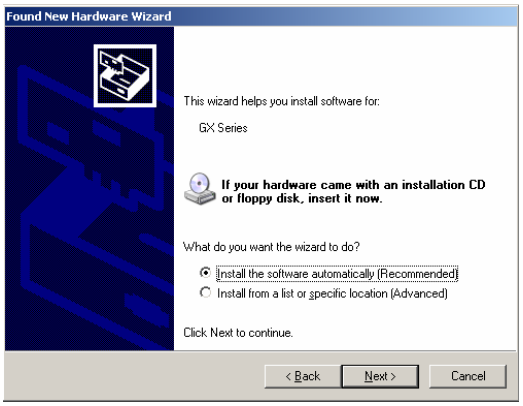
6. Click Next.



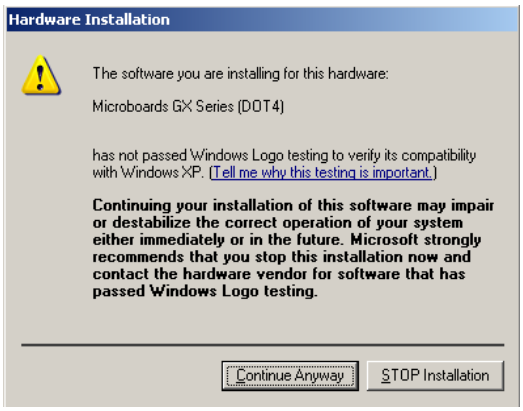
7. Click Finish for the next screen.

Found New Hardware Wizard
Welcome to the Found New Hardware Wizard
Windows will search for current and updated software by looking on your computer, on the hardware installation CD, or on the Windows Update Web site (with your permission).
Read our privacy policy
Can Windows connect to Windows Update to search for software?
Yes, this time only
Yes, now and every time I connect a device
No, not this time
Click Next to continue.
< Back
Next >
Cancel

8. Select No, not this time and click Next.


Found New Hardware Wizard
This wizard helps you install software for:
GX Series
If your hardware came with an installation CD or floppy disk, insert it now.
What do you want the wizard to do?
Install the software automatically (Recommended)
Install from a list or specific location (Advanced)
Click Next to continue.
< Back
Next >
Cancel

9. Click Next.


Hardware Installation
The software you are installing for this hardware:
Microboards GX Series (DOT4)
has not passed Windows Logo testing to verify its compatibility with Windows XP. (Tell me why this testing is important.)
Continuing your installation of this software may impair or destabilize the correct operation of your system either immediately or in the future. Microsoft strongly recommends that you stop this installation now and contact the hardware vendor for software that has passed Windows Logo testing.
Continue Anyway
STOP Installation

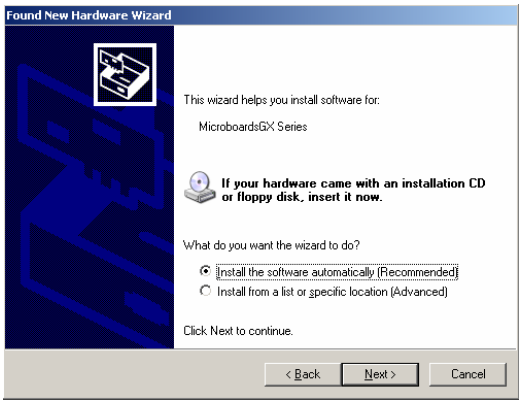
10. Click Continue Anyway.

Found New Hardware Wizard
Completing the Found New Hardware Wizard
The wizard has finished installing the software for:
Microboards GX Series (DOT4)
Click Finish to close the wizard.
< Back
Finish
Cancel

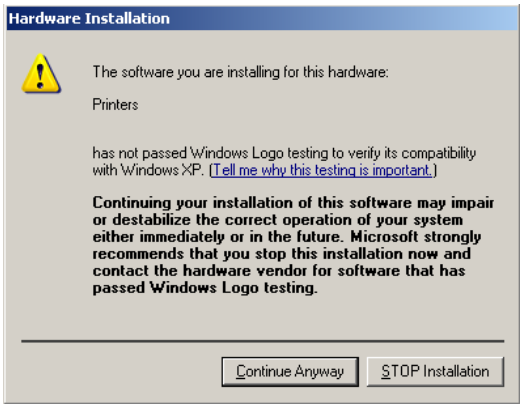
11. Click Finish for the next screen.

Found New Hardware Wizard
Welcome to the Found New Hardware Wizard
Windows will search for current and updated software by looking on your computer, on the hardware installation CD, or on the Windows Update Web site (with your permission).
Read our privacy policy
Can Windows connect to Windows Update to search for software?
Yes, this time only
Yes, now and every time I connect a device
No, not this time
Click Next to continue.
< Back
Next >
Cancel

12. Select No, not this time and click Next.


Found New Hardware Wizard
This wizard helps you install software for:
MicroboardsGX Series
If your hardware came with an installation CD or floppy disk, insert it now.
What do you want the wizard to do?
Install the software automatically (Recommended)
Install from a list or specific location (Advanced)
Click Next to continue.
< Back
Next >
Cancel

13. Click Next.

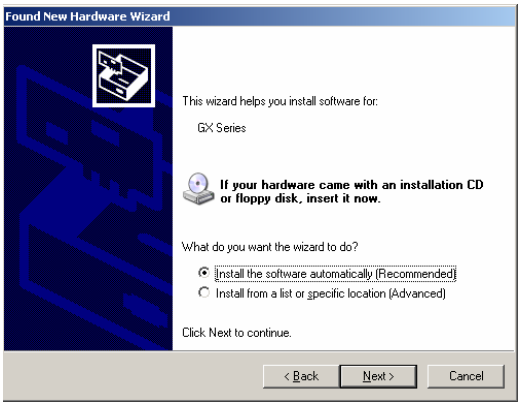

Hardware Installation
The software you are installing for this hardware:
Printers
has not passed Windows Logo testing to verify its compatibility with Windows XP. (Tell me why this testing is important.)
Continuing your installation of this software may impair or destabilize the correct operation of your system either immediately or in the future. Microsoft strongly recommends that you stop this installation now and contact the hardware vendor for software that has passed Windows Logo testing.
Continue Anyway
STOP Installation

14. Click Continue Anyway.

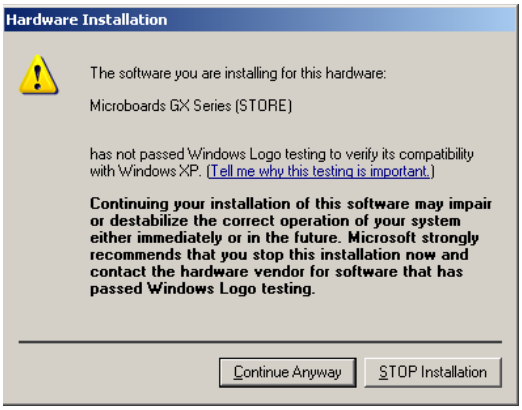
15. Click Finish for the next screen.

Found New Hardware Wizard
Welcome to the Found New Hardware Wizard
Windows will search for current and updated software by looking on your computer, on the hardware installation CD, or on the Windows Update Web site (with your permission).
Read our privacy policy
Can Windows connect to Windows Update to search for software?
Yes, this time only
Yes, now and every time I connect a device
No, not this time
Click Next to continue.
< Back
Next >
Cancel

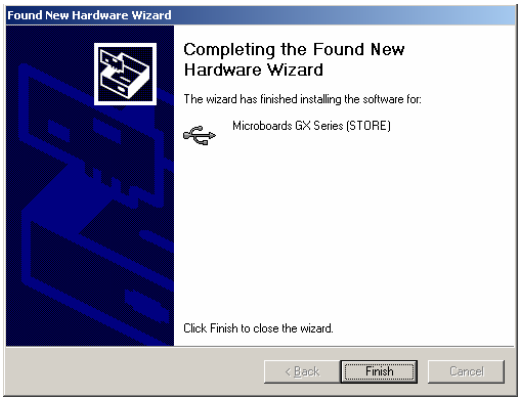
16. Select No, not this time and click Next.


Found New Hardware Wizard
This wizard helps you install software for:
GX Series
If your hardware came with an installation CD or floppy disk, insert it now.
What do you want the wizard to do?
Install the software automatically (Recommended)
Install from a list or specific location (Advanced)
Click Next to continue.
< Back
Next >
Cancel

17. Click Next.


Hardware Installation
The software you are installing for this hardware:
Microboards GX Series (STORE)
has not passed Windows Logo testing to verify its compatibility with Windows XP. (Tell me why this testing is important.)
Continuing your installation of this software may impair or destabilize the correct operation of your system either immediately or in the future. Microsoft strongly recommends that you stop this installation now and contact the hardware vendor for software that has passed Windows Logo testing.
Continue Anyway
STOP Installation

18. Click Continue Anyway.


Found New Hardware Wizard
Completing the Found New Hardware Wizard
The wizard has finished installing the software for:
Microboards GX Series (STORE)
Click Finish to close the wizard.
< Back
Finish
Cancel

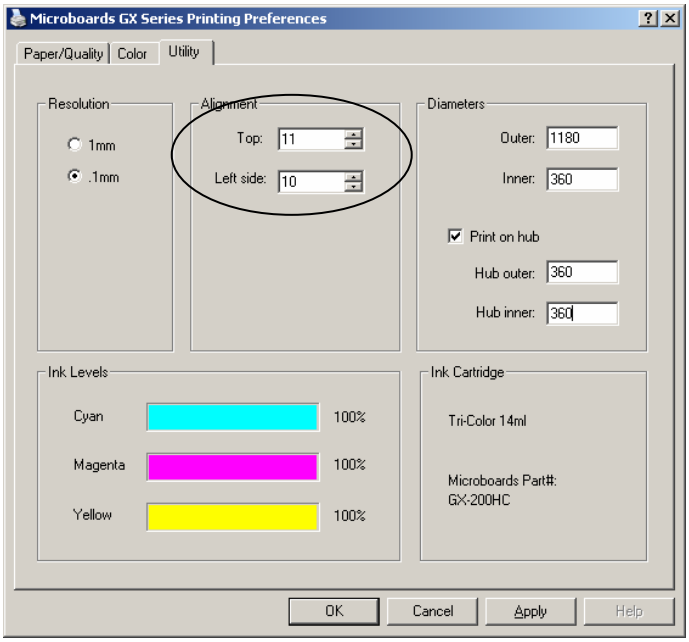
19. Click Finish.

Setting Printer Alignment

Alignment

The GX-2 Disc Publisher system has been aligned at the factory. The factory alignment values are on a label on the back of the GX-2 Disc Publisher. Follow these steps to enter the factory values:

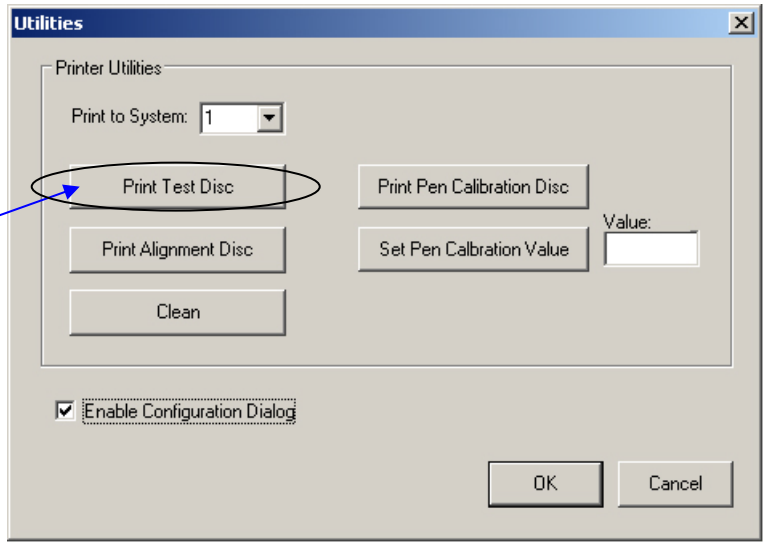
- Click on the **Start** Button on your Windows computer.
- Select **Settings** and then **Printers**.
- Right click on the Microboards GX Series icon.
- Select **Printing Preferences**.
- Select the **Utility** Tab.
- Click on the **.1mm** selection in the Resolution box.
- Enter the values listed with the GX-2 Disc Publisher into the Top and Left Side boxes.
- Click the **Apply** button.
- Click the **OK** button.



Print Test Disc

To confirm the computer is communicating with the GX-2 Disc Publisher, print a Test Disc. This can be done with one of the inkjet printable CD's included with your GX-2 Disc Publisher, or an inkjet compatible disc you may already have. To print the Test Disc:

- Place the inkjet printable media into the input hopper.
- Launch the Zulu2 program (see page 17).
- Once Zulu2 is running, select the **Robotic** menu
- Select **Utilities**
- Select **Print Test Disc**.
- A disc will be dropped onto the belts and then printed.
- Once printing is complete, the disc will be ejected into the output hopper.
- If the alignment is OK, proceed with your printing project.
- If not, go to Print Alignment Disc.



Print Alignment Disc

NOTE: The Alignment Disc should always be printed using Photo mode for the best accuracy.

There are factory default alignment values for the TOP and LEFT values for your GX-2 Disc Publisher, referring to the top and left margin sizes, respectively. These can be found on the label on the back of the GX-2 Disc Publisher. You may need to adjust the values, depending on the images you are printing. To run the alignment utility, first set the Top and Left values are 0 (zero).

1. Place an Alignment CD (see figure 1) in the input bin.

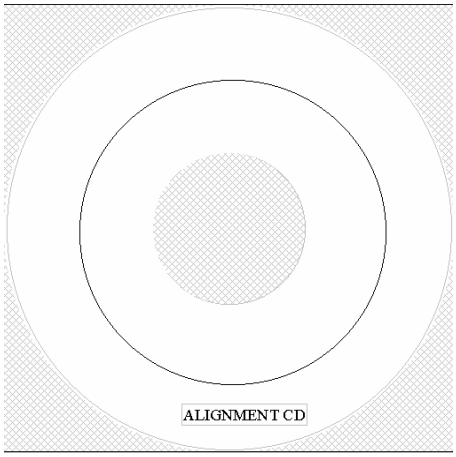


Figure 1

2. In the Utilities menu, select Print Alignment Disc.
3. The alignment guide will be printed on the disc (see figure 2).
4. Confirm the numbers that cross the circle.
5. If the circle does not cross the alignment guide at both zero points, change the vertical and horizontal numbers in the Utility Tab by the number at which the circle does cross the guide (See figure 3).
6. Once the new numbers are entered, click Apply.
7. The Alignment CD pattern is also included on the GX-2 Disc Publisher CD, so you can print additional Alignment patterns with your GX-2 Disc Publisher, once it is aligned. The alignment circle is 8 cm in diameter and is 2 cm from the outer edge of the CD.

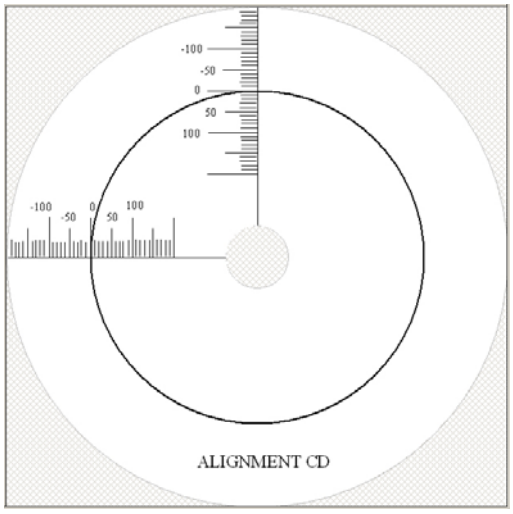


Figure 2

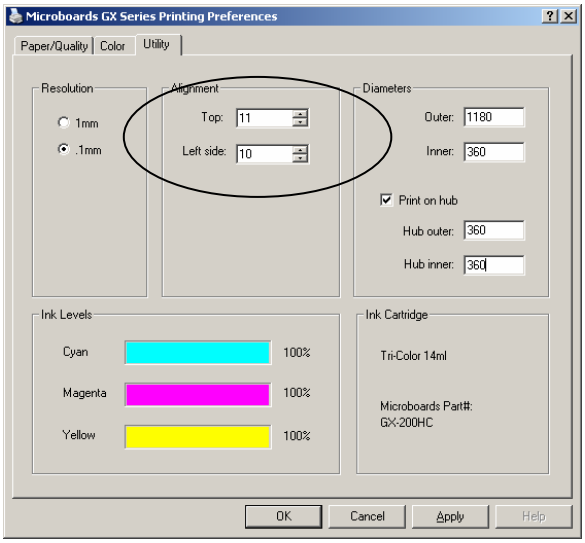
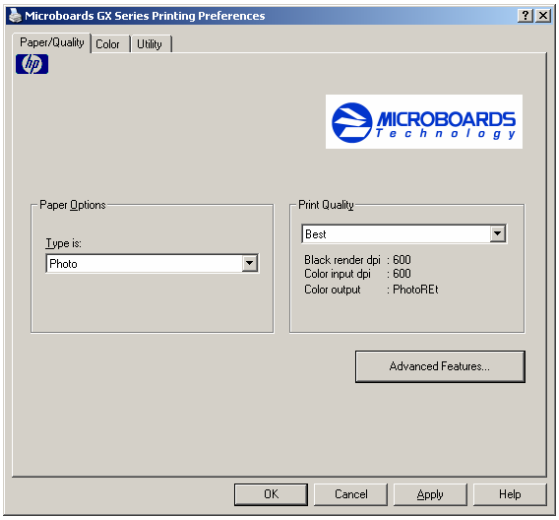


Figure 3

Printing Preferences

Access the Printing Preferences by clicking the **Start** Button on your Windows computer. Select **Settings** and then select **Printers**. Right click on the Microboards GX Series icon, then select **Printing Preferences**.

Paper/Quality Tab



Print Quality

- Best
- Normal
- Fast

Print Modes

- Text and Graphics
- Photo

Printing Recommendations

Text and Graphics mode is used for printing mainly text information and small graphics. Below are some examples for images in Fast, Normal and Best Modes:

Text and Graphics – Fast

Text and Graphics – Normal

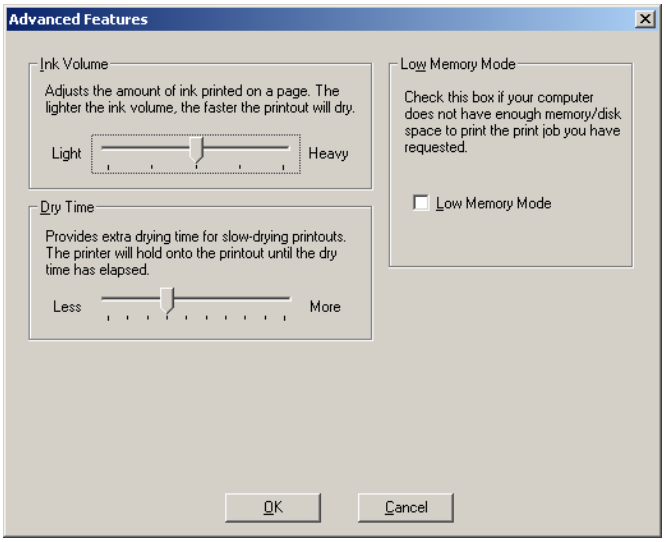
Text and Graphics – Best

Photo Mode should be used when printing on the entire disc. Here is an example:

Photo – Normal Best and 4800x1200 Modes

Advanced Features

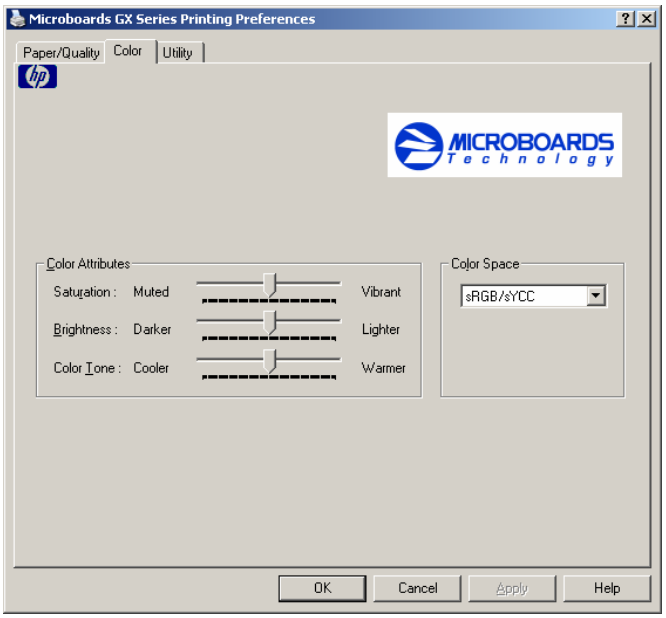
Advanced Features allow you to adjust the amount of ink placed on the disc using the **Ink Volume** setting, and adjust the **Dry Time** of the disc.


Advanced Features
Ink Volume
Adjusts the amount of ink printed on a page. The lighter the ink volume, the faster the printout will dry.
Light
Heavy
Dry Time
Provides extra drying time for slow-drying printouts. The printer will hold onto the printout until the dry time has elapsed.
Less
More
Low Memory Mode
Check this box if your computer does not have enough memory/disk space to print the print job you have requested.
Low Memory Mode
OK
Cancel

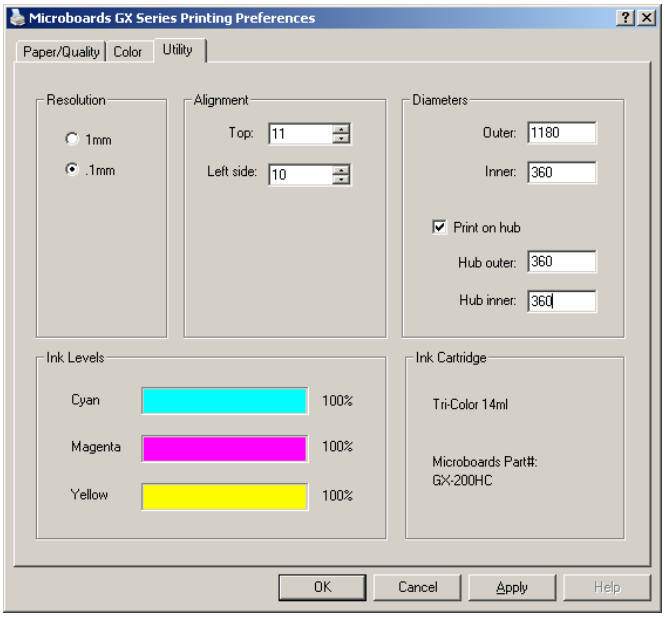
Color Tab

Saturation, **Brightness** and **Color Tone** allow you to fine tune your print image.

Color Space defines the range of colors that can be printed. **sRGB/sYCC** will be the setting selected unless your image specifically was created using the **AdobeRGB** standard.



Utility Tab



The **Resolution** setting should always be set at .1mm for best results.

Alignment values will move the print image on the disc.

The Outer and Inner **Diameters** will change the size of the area to be printed. To avoid excessive ink buildup, these values should never be set so that the GX-2 Disc Publisher is printing off the media.

If you have media with a printable inner hub separated from the rest of the disc by an unprintable ring, you can set the inner and outer hub diameters appropriately. If you are using media with a continuous print surface, the Print on Hub setting should not be checked.

Ink Level

The **Ink Levels** show how much remains of all 3 colors, Cyan, Magenta and Yellow.

NOTE: If you place a used cartridge in the GX-2, the ink level may not be reported correctly. If the GX-2 can identify the cartridge, it may report the correct ink levels; if not, it will assume that the ink cartridge is new and will show ink levels of 100%.

Before each disc is printed, the ink levels are checked. If the level of any one color is has reached 10%, a warning message will be displayed on your PC and printing will be temporarily suspended. You can either change the cartridge at this point and click OK, or click OK to continue printing using the same cartridge.

If you continue with the same cartridge, printing will continue uninterrupted until the ink level reaches 5%. The low ink level warning will be displayed once more. Again, either change the cartridge or continue.

Once the ink level reaches 3% or less, the warning will be displayed before each print.

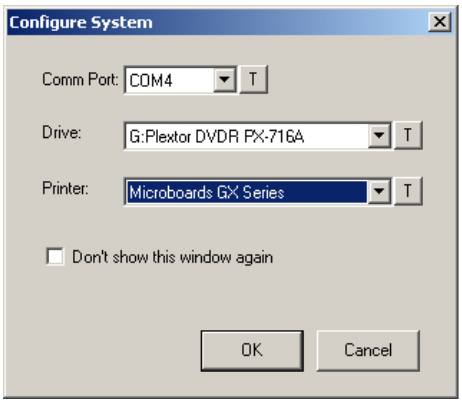
It is strongly recommended that you replace the cartridge at this point.

The GX-2 Disc Publisher and Zulu2

All printing and burning is done using Zulu2. Do not print using SureThing, as SureThing does not control the loading and unloading process.

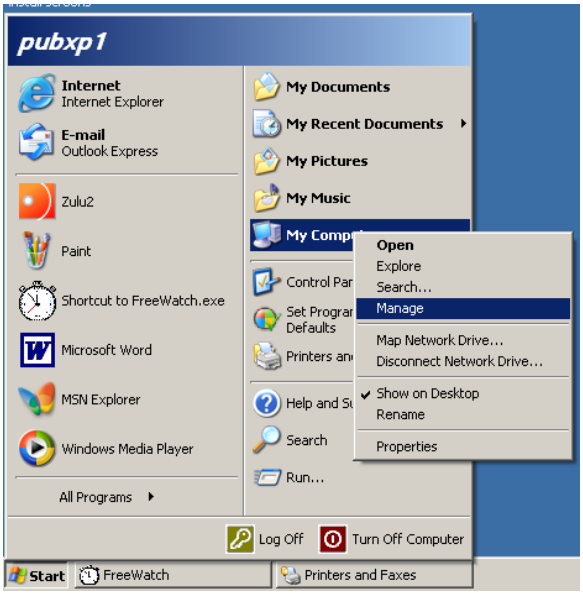
The first time the user launches Zulu2, the software will ask you to configure the GX-2 Disc Publisher system. This only needs to be done the first time the software is used.

When launching Zulu2 for the first time, the following screen appears:

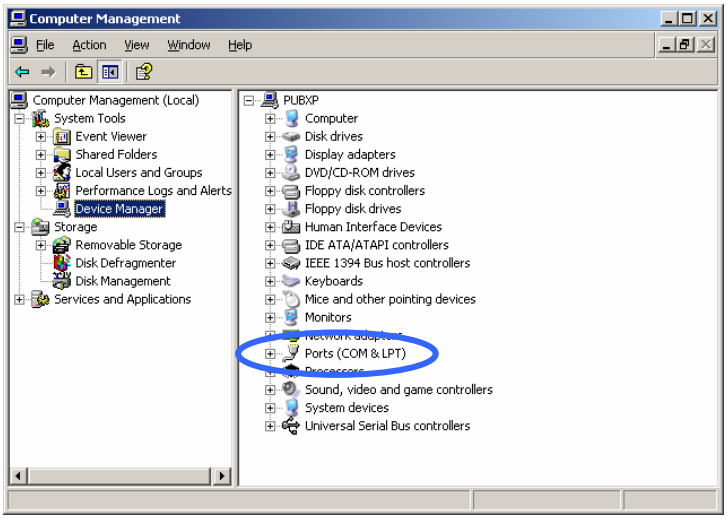


When the GX-2 Disc Publisher is installed, Windows creates a new COM port. This new port is used by the GX-2 Disc Publisher. The new port can be determined by looking at the device manager.

To view the device manager, right click on My Computer from the Windows Desktop or the Start button menu and select **Manage**:



The Computer Management screen will appear.



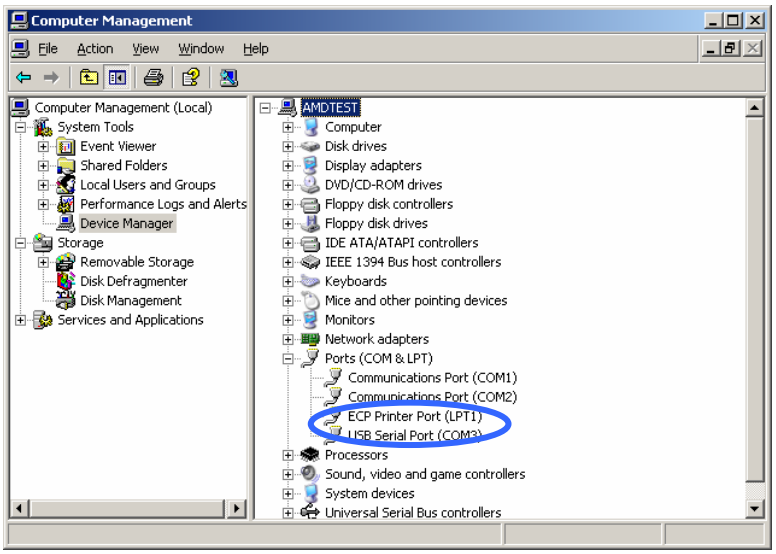
Open up the Ports (COM & LPT) selection.

You will see an entry labeled "USB Serial Port (COMx)" entry for each GX-2 Disc Publisher you have installed. The COMx will be the COM port number to be entered into the Configure screen.

Select the COM port as found on the Computer Management screen.

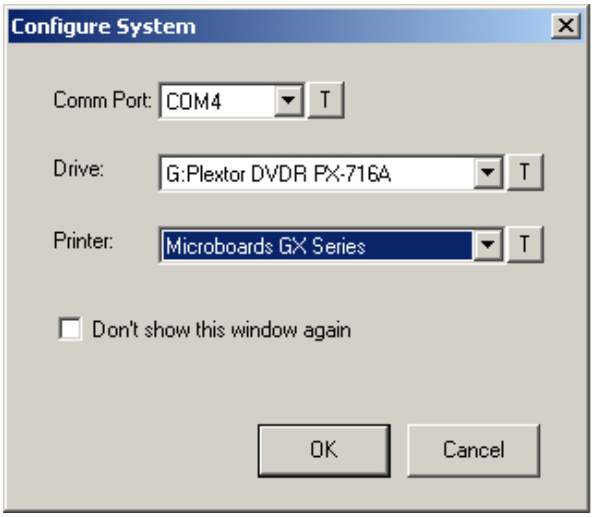
Next, select the recorder.

Finally, select the Printer.



To confirm you have made the correct selection, you can click on the T box next to each item, as follows:

- When the **T** is pressed for the COM Port, the disc flippers will move up and down.
- When the **T** is pressed for the recorder, the tray will open and then close.
- When the **T** is pressed for the Printer, the belts will move in reverse.
- Once you have completed your selections, check the **Don't show this window again** box to bypass this step when launching Zulu2 again. You will be able to reset this option should it be necessary to configure the system again.

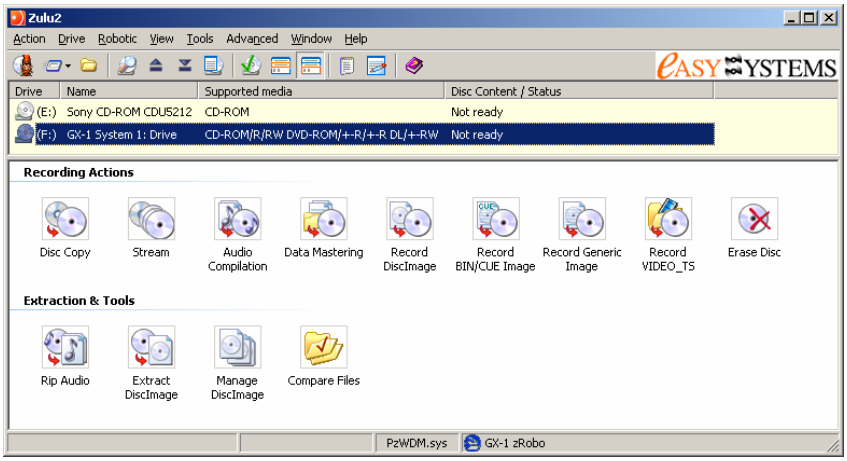


Click the **OK** button.

The system will now initialize the GX-2 Disc Publisher. The belts will be cleared of any discs and any discs in the recorders will be removed and rejected.

Once initialization is complete, the system is ready for use.

Please see the Zulu2 for Microboards Disc Publishers manual for more information on using Zulu2.



Manual Software Re-Installation

The information in this section will only apply to a manual re-installation of the individual software packages. If you have not yet installed the GX-2 Disc Publisher using the Installer, it is recommended that you do so. Installing the GX-2 Disc Publisher in an incorrect order could result in an unsuccessful installation.

Zulu2 Software Re-Installation

There are 3 methods of reinstalling Zulu2 should the need arise:

A. ***(Recommended)*** Insert the Microboards GX-2 Disc Publisher Installation CD into the CD/DVD ROM drive on your computer and select the **Repair** option when the installer starts. Click the **Prassi Zulu2** button to reinstall Zulu2. Clicking the **Install All Applications** button will reinstall Zulu2, SureThing, and the Toolbox.

Follow these steps once the Zulu2 installer launches:

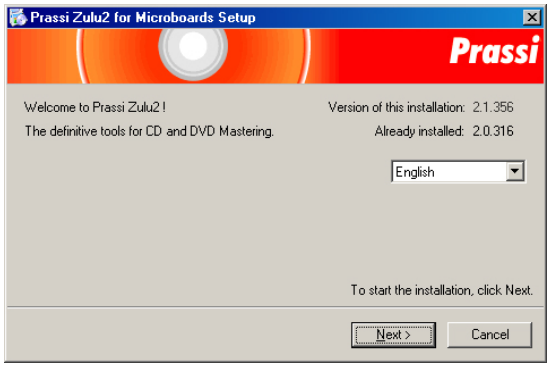
Note in the upper right-hand corner that during an update of Zulu2, the version currently installed is listed under the version of Zulu2 to be installed.

Select the language to install; the default is English.

Click **Next**.

The files will now be copied from the CD to the operating system.

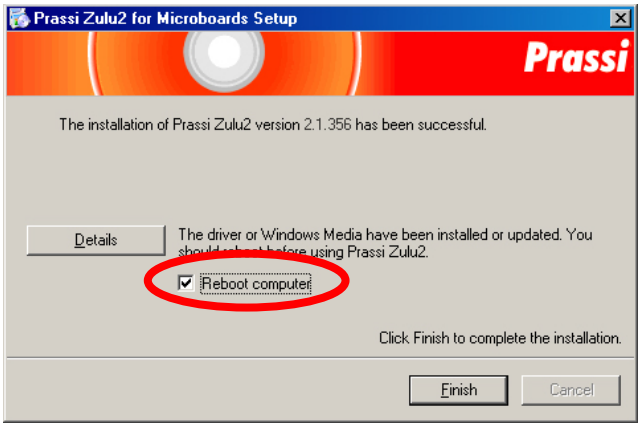
Once finished, this screen will appear:



When reinstalling over an existing installation of Zulu2, the Reboot Computer option may not appear. ***If the Reboot Computer option is available, you should reboot after the installation.***

B. Alternately, Open the **Applications** directory on the Installation CD and run **Prassi Zulu2 for Microboards Setup (EFIGS). exe** to reinstall Zulu2 manually.

C. The Prassi Zulu2 installer was also added to your hard drive in the event that you need to reinstall but do not have access to the Installation CD. Run **Prassi Zulu2 for Microboards Setup (EFIGS).exe** in the **C:\Program Files\Microboards\GX2 Installer\ Applications** directory on your hard drive.


Prassi Zulu2 for Microboards Setup
Prassi
The installation of Prassi Zulu2 version 2.1.356 has been successful.
Details
The driver or Windows Media have been installed or updated. You
Reboot computer
Click Finish to complete the installation.
Finish
Cancel

SureThing Labeler Software Re-Installation

There are 3 methods of reinstalling SureThing should the need arise:

A. ***(Recommended)*** Insert the Microboards GX-2 Disc Publisher Installation CD into the CD/DVD ROM drive on your computer and select the **Repair** option when the installer starts. Click the **SureThing Disc Labeler** button to reinstall SureThing. Clicking the **Install All Applications** button will reinstall Zulu2, SureThing, and the Toolbox.

Follow these steps once the SureThing installer launches:

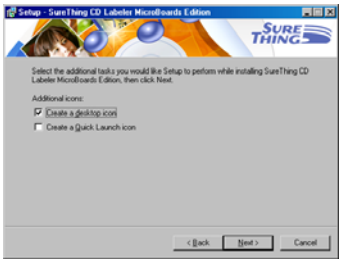
Setup - SureThing CD Labeler MicroBoards Edition
Welcome to the SureThing CD Labeler MicroBoards Edition Setup Wizard
Next >
Cancel

1. Click **Next** to continue.

2. Once the User License screen appears, select **I Accept** and click the **Next** button.

3. If you wish to change the default Install directory, it can be done here. Click **Next** when completed.

4. Click **Next** to add a shortcut in the Start Menu.



5. Choose to add an icon to your desktop and/or a folder in the Start Menu. Once selected, click **Next**.
6. Click **Install** to begin copying the files.

Setup - SureThing CD Labeler MicroBoards Edition
Completing the SureThing CD Labeler MicroBoards Edition Setup Wizard
Launch SureThing CD Labeler MicroBoards Edition
Finish

7. Remove the check to launch SureThing at this time, then click **Finish**.

B. Alternately, you can open the **Applications** directory on the Installation CD and run **SureThing.exe** to install SureThing manually. Follow the on-screen instructions as shown in steps 1-7 above.

C. The SureThing installer was also added to your hard drive in the event that you need to reinstall but do not have access to the Installation CD. Run **SureThing.exe** in the **C:\Program Files\Microboards\GX2 Installer\Applications** directory on your hard drive. Follow the on-screen instructions as shown in steps 1-6 above.

Troubleshooting

Printer not printing:

1. Confirm the GX-2 Disc Publisher is plugged into a power source and is turned on. The ON/OFF switch is located at the back of the unit, above the power cable connector.
2. Confirm the green light on the power button is lit on the front panel. If AC power is on and the green light is off, press the power button firmly and wait for several seconds. If the light still does not come on, contact Microboards Technical Support.

3. Confirm the GX-2 Disc Publisher is connected to the computer, with a USB cable. This can be checked by clicking on Start, going to Settings and selecting Printers. Confirm the printer is listed and is active. If the icon is not active, make sure the Use Printer Offline is not selected. Also check to make sure the correct printer port is selected.
4. Confirm that the **Microboards GX-300HC Ink Cartridge** is being used. The GX-2 Disc Publisher will not function with any other cartridge!

Disk Loading error:

1. If a disc is not loaded correctly, an error message will be displayed on your PC. Check to see if there are any discs on the belt. Remove any discs that are left on the belt.
2. Lift the cover and check for any discs on the front deck of the GX-2 Disc Publisher. Remove any discs found on the belts. Close the cover.
3. Next, reload the input bin and click the OK button on the error message to continue. The system will load the next disc and continue printing the remaining discs for that job.

Low Ink indication:

Before each disc is printed, the ink levels are checked. If the level of any one color is has reached 10%, a warning message will be displayed on your PC and printing will be temporarily suspended. You can either change the cartridge at this point and click OK, or click OK to continue printing using the same cartridge.

If you continue with the same cartridge, printing will continue uninterrupted until the ink level reaches 5%. The low ink level warning will be displayed once more. Again, either change the cartridge or continue.

Once the ink level reaches 3% or less, the warning will be displayed before each print.

It is strongly recommended that you replace the cartridge at this point.

If you notice poor ink quality or a missing color in your prints at any time, replace the ink cartridge.

Discs not loading when printing from SureThing

SureThing does not have the capability of controlling the robotics in the GX-2 Disc Publisher, and should only be used for label designing. All printing must be done using the Print Only function in Zulu2.

Printing Specifications

Print Speed:
Depends upon percentage of coverage and print mode selected
Approx. 45 seconds for 100% full-color coverage, Photo Normal Mode
Approx. 20 seconds for 100% full-color coverage, Text & Graphics Best Mode

Approx. 12 seconds for 20% coverage Text & Graphics, Normal Mode

Ink Cartridge Types:

Microboards GX-300HC

Media Types:
Printable-surface 120mm CD-R or DVD-R

Label Editing Software:
SureThing™ First Edition Software for Windows included

Maximum Print Width:
4.72” (120mm)

Power Supply:
Auto Detect AC Power:

90VAC – 240VAC, 47Hz – 63Hz

Warranty:
One Year Limited Warranty

Print Technology:
HP Thermal Inkjet

Print Quality, Black: 600 x 600 dpi, with HP PhotoREt

Print Quality, Color: up to 4800 x 1200 optimized dpi, with HP PhotoREt

Color Technology: HP PhotoREt

Memory:
64MB

Connectivity:
USB 2.0 required

Technical Support

For technical questions or support issues, please contact Microboards Technology technical support at PH: 952-556-1639, FAX: 952-556-1628, by email at support@microboards.com or on the web at http://www.microboards.com.